

20020127.qrp v02_n448.qrl.20020127

Date: Sun, 27 Jan 2002 19:03:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2448

QRP-L Digest 2448

Topics covered in this issue include:

- 1) [118383] Re: Harbor Freight 12" Shear/Brake
by <n2go@arrl.net>
- 2) [118384] Re: SSB project
by <n2go@arrl.net>
- 3) [118385] Re: [118382] Harbor Freight 12" Shear/Brake
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 4) [118386] Re: Power supply for K2
by Gary Slagel <gds slagel@yahoo.com>
- 5) [118387] OT: How do I resurrect e-mail messages?
by Mark Fields <mark_ke5my@juno.com>
- 6) [118388] CW is Cool!
by "Kory Hamzeh" <kory@avatar.com>
- 7) [118389] RE: LEARNING CW-If you are easily offended:don't read, delete!
by tf3vst@vortex.is (Villi Idunni)
- 8) [118390] Re: CW is Cool!
by Chuck Carpenter <W5USJ@go.com>
- 9) [118391] building question- sort of long
by Michael Goins <mgoins@usa.net>
- 10) [118392] minor correction
by Michael Goins <mgoins@usa.net>
- 11) [118393] Re: building question- sort of long
by wb0wao@hotmail.com (Dennis Ponsness)
- 12) [118394] French contest
by "Jim Stamper" <jstamper@shentel.net>
- 13) [118395] Re: Morse code and cheap screwdriver antenna
by "Frank Graves" <fgraves@houston.rr.com>
- 14) [118396] Tube data question....
by Claude <mck20@yahoo.com>
- 15) [118397] RE: Tube data question....
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 16) [118398] Re: Tube data question....
by "ZOOM" <kandrparker@sympatico.ca>
- 17) [118399] Re: LEARNING CW- mnemonoics
by "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
- 18) [118400] Re: Tube data question....
by "Mike Silva" <mjsilva697@earthlink.net>
- 19) [118401] TM9R on 7.010 @ 0344Z

by David Gauding <david.gauding@bbs.galilei.com>
20) [118402] Re: LEARNING CW- mnemonoics
by "pschweit" <pschweit@mninter.net>
21) [118403] Re: OT:CAD Software
by David Hinerman <wd8civ@worldnet.att.net>
22) [118404] Re: building question- sort of long
by David Hinerman <wd8civ@worldnet.att.net>
23) [118405] Re: OT:CAD Software
by "ZOOM" <kandrparker@sympatico.ca>
24) [118406] DX with Homebrew Neophyte and Ugly Weekender
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
25) [118407] Tiny DSP filter for QRP
by "Graeme Zimmer" <gzimmer@optushome.com.au>
26) [118408] Re: Tube data question....
by Bob Okas <vintage@vintage.best.vwh.net>
27) [118409] Re: building question- sort of long
by "Bill Meara" <n2cqr@clix.pt>
28) [118410] Re: SSB project
by "Bill Meara" <n2cqr@clix.pt>
29) [118411] The Kpch method
by Bruce Muscolino <w6toy@erols.com>
30) [118412] Re: building question- sort of long
by Bruce Muscolino <w6toy@erols.com>
31) [118413] 160 is a BLAST!!!!!!!
by "w8diz" <w8diz@fpqrp.com>
32) [118414] Re: French contest/The Frenchies are hot tonight
by IamSF5@aol.com
33) [118415] South Pole on 20 last evening
by "Bill, N4QA" <n4qa@hotmail.com>
34) [118416] Many Thanks for antenna info
by IamSF5@aol.com
35) [118417] ot? maybe
by "carl seyersdahl" <carlseye@tampabay.rr.com>
36) [118418] Re: South Pole on 20 last evening
by IamSF5@aol.com
37) [118419] Re: OT:CAD Software
by "Karl F. Larsen" <k5di@zianet.com>
38) [118420] CW and QRP-L
by "Karl F. Larsen" <k5di@zianet.com>
39) [118421] Re: Tube data question....
by Steve - K8PZ <k8pz@earthlink.net>
40) [118422] Re: 160 is a BLAST!!!!!!!
by "tmyers" <tmyers@AcademicPlanet.com>
41) [118423] Re: building question- sort of long
by "John J. McDonough" <wb8rcr@arrl.net>
42) [118424] Re: South Pole on 20 last evening
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
43) [118425] Re: 160 is a BLAST!!!!!!!

- by Larry Cahoon <lejek@erols.com>
- 44) [118426] CE 2.11 Ham Programs
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 45) [118427] Re: building question- sort of long
by Bruce Muscolino <w6toy@erols.com>
- 46) [118428] Re: CW and QRP-L
by W2AGN <w2agn@pobox.com>
- 47) [118429] Re: 160 is a BLAST!!!!!!!
by "w8diz" <w8diz@fpqrp.com>
- 48) [118430] Re: 160 is a BLAST!!!!!!!
by W2AGN <w2agn@pobox.com>
- 49) [118431] Collecting parts for building
by <n2go@arrl.net>
- 50) [118432] Re: CW and QRP-L
by "Brice D. Hornback" <bdh@cyberbound.net>
- 51) [118433] Re: Tube data question....
by William R Colbert <w5xe@juno.com>
- 52) [118434] Re: building question- sort of long
by "John J. McDonough" <wb8rcr@arrl.net>
- 53) [118435] Re: Morse code and cheap screwdriver antenna
by "Donny Sirait" <dsirait@centrin.net.id>
- 54) [118436] Re: building question- sort of long
by David Hinerman <wd8civ@worldnet.att.net>
- 55) [118437] Re: CW and QRP-L
by "Karl F. Larsen" <k5di@zianet.com>
- 56) [118438] The British System
by "Karl F. Larsen" <k5di@zianet.com>
- 57) [118439] Re: building question- sort of long
by David Hinerman <wd8civ@worldnet.att.net>
- 58) [118440] Automatic Sealed-Lead-Acid Battery Charger
by n4so@juno.com
- 59) [118441] FS: Index Lab QRP+
by "John Dorson" <jdorson@Worldshare.net>
- 60) [118442] Jan 31st deadline for the QRP Contest Calendar 2002
by "Ron Polityka" <wb3aal@fast.net>
- 61) [118443] Learning CW and More on the Koch Method
by "James R. Duffey" <jamesd1@flash.net>
- 62) [118444] Re: FS: Index Lab QRP+
by W2AGN <w2agn@pobox.com>
- 63) [118445] RE: building question- sort of long
by Nick Kennedy <nkennedy@tcainternet.com>
- 64) [118446] Re: 455-kc surplus rocks
by "Bill Meara" <n2cqr@clix.pt>
- 65) [118447] njqrp meeting 012602
by "Joe Everhart" <n2cx@voicenet.com>
- 66) [118448] Contest: CQ 160M CW Entry
by Brian Kassel <bkassel@dancris.com>
- 67) [118449] Michigan Antique Radio Club Swap 2/2/02

by "Charles Mabbott" <crmabbott@mediaone.net>
68) [118450] Transmitter Tester
by W2AGN <w2agn@pobox.com>
69) [118451] RE: 455-kc surplus rocks
by Nick Kennedy <nkennedy@tcainternet.com>
70) [118452] Sked?
by Dave Richards <wr3i@earthlink.net>

Date: Sat, 26 Jan 2002 14:10:35 -0500 (EST)
From: <n2go@arrl.net>
To: "Kevin M." <adverseyaw@twmi.rr.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118383] Re: Harbor Freight 12" Shear/Brake
Message-ID: <Pine.LNX.4.33.0201261409051.2250-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Think about the 30" shear. They often go on sale. The only downside is
that it is very heavy.

73,

Jim (n2go)

Date: Sat, 26 Jan 2002 14:12:30 -0500 (EST)
From: <n2go@arrl.net>
To: Bill Meara <n2cqr@clix.pt>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118384] Re: SSB project
Message-ID: <Pine.LNX.4.33.0201261400050.2250-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

That's what I like about this list. Just about any weird thing that I
might be doing.... someone here is also doing.

Last week I built a DDS vfo for 5-5.5 Mhz. Yesterday I built a version of
the Universal VFO for 5-5.5Mhz.

Today I etched a board for a 9 Mhz SSB generator with balanced
modulator/ carrier oscillators/ cw drive control and speech amplifier.
I really like the pnp Blue film for making pcb's. Cleanliness of the board
and temperature are very important for success.

I think this one will turn into a separate receiver and transmitter with the receiver VFO controlling both. Not sure if there will be one or two IF filters.

73,

Jim (n2go)

Date: Sat, 26 Jan 2002 19:17:53 -0500 (EST)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: qrp-l@Lehigh.EDU
Subject: [118385] Re: [118382] Harbor Freight 12" Shear/Brake
Message-ID: <200201270017.g0R0HrE21392@panix3.panix.com>

Perhaps one of the guys with some machine shop experience could give us some tips on adjusting this unit.

Mine bends fine, but the shear is not great, and I think it's the adjustments.

73, doug

Date: Sat, 26 Jan 2002 18:53:12 -0500
From: "Kevin M." <adverseyaw@twmi.rr.com>

Gang,
I am now looking to buy a 12" shear from Harbor freight, after seeing how well Jim Kortge's works, but I can't find it on their website. Does anyone have the catalog number?
Thanks
Kevin, KC8SFJ
QRP-L #2366 - member since October/2001

Date: Sat, 26 Jan 2002 16:24:43 -0800 (PST)
From: Gary Slagel <gdslagel@yahoo.com>
To: Steve.Lawrence@ITWFEG.COM, QRP L <qrp-l@Lehigh.EDU>
Subject: [118386] Re: Power supply for K2
Message-ID: <20020127002443.33801.qmail@web11607.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Steve,

Do you use this to charge the k2 internal battery? Do you operate the rig while charging?

I've got a k2 and just put the internal battery in. Haven't used it much but I know my regular power supply is not high enough voltage to use as the charging system for it. I'd been thinking I'd use a charger but when I was using the rig I'd turn the charger off.

Do you think that's necessary?

Thanks,
Gary

--- Steve Lawrence <Steve.Lawrence@ITWFEG.COM> wrote:
> Looking at this option (and it's associated cost), I
> decided on a lower
> cost commercial solution and purchased a PowerSonic
> PSC-12500-A
> intelligent charger from Mouser for less than \$40.
> This is a two stage
> automatic charger designed for 12 v SLA batteries in
> the 2 - 10 Ah range.
> Higher initial charge rate followed by a low float
> charge that can be left
> on indefinitely. Form factor is a large "wall wart"
> with screw terminals,
> so you have to make up your own wire/connector leads
> as needed for your
> situation.
>
> A simple solution and at a much lower cost, however
> I didn't get the
> pleasure of building it!
>
> 73,
> Steve
> aa8af
>
>
>
>
> n4so@juno.com

> Sent by: owner-qrp-1@Lehigh.EDU
> 01/26/2002 12:05 AM
> Please respond to n4so
>
>
> To: "Low Power Amateur Radio Discussion"
> <qrp-1@Lehigh.EDU>
> cc:
> Subject: Power supply for K2
>
>
>
> A PC board is available from FAR CIRCUITS, no
> longer available
> from Bob Lewis.
>
> Tech. help is available from the author and
> designer.
> rlewis@staff.net
> Total cost of parts runs about \$100 from Digi-Key.
> I have built the charger and use it to power an
> Elecraft K1
> and the NorCal 20.
>
> Ken Brown-N4SO
> Mobile, AL EM50tk
> NorCal-20 at 5 watts/4 ele. yagi
> Keylite Kit keyer
>
>
>
>

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://members.fortunecity.com/gdslagel>

Do You Yahoo!?
Great stuff seeking new owners in Yahoo! Auctions!
<http://auctions.yahoo.com>

Date: Sat, 26 Jan 2002 18:19:11 -0600

From: Mark Fields <mark_ke5my@juno.com>
To: hqrp@stevens.com
Cc: qrp-1@lehigh.edu, fpqrp@mpna.com
Subject: [118387] OT: How do I resurrect e-mail messages?
Message-ID: <20020126.183200.-277637.0.mark_ke5my@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dear friends:

A couple of weeks ago, the power to my apartment was shut off for a couple of hours. I had my computer turned on and was running my e-mail program (Juno) when the power went off (and I don't have a UPS). After the power came back on (and Windows 98 SE ran its ScanDisk program and reported there wasn't any damage to my hard drive), I started my Juno program. Somehow, it had copied all of its Inbox messages into its files, resulting in **twice** the number of Inbox messages as there were before! This happened several more times until I finally managed to make it stop doing that (I don't remember how) ...but that wasn't the end of the misadventure. Several days later, when I tried to run Juno, I started getting messages saying "Insufficient memory or disk space".

This morning, after I downloaded fresh copies of Juno and Internet Explorer from a CD-ROM that I had ordered (and moved a **gigantic** file--named "mailbox.bdb"--to the Recycle Bin), I managed to get Juno up and running again. There's just one problem: moving that "mailbox" file freed up enough space in my RAM so that I could run Juno again, but now, I can't access my old e-mail. When I try to use WordPad to try to read the old messages, I either get a lot of hieroglyphics, or else the sheer size of the file overloads WordPad (or even the computer!)

Hoping that I'm not sounding like a dummy, can someone give me some advice on how I might resurrect those old messages? I **know** that I have copies of the old e-mail folders in:

mailbox.bdb (currently in the Recycle Bin),
JunoEmailBackup.jbk (path is C:\My Documents), and
JunoBackup.jbk(C:\WINDOWS\Desktop)

(Each of those files is **way** too large to save to a floppy disk, and I don't have a CD-R or CD-RW drive.)

I hope that I've provided enough information in this message for someone to be able to help, and that I haven't ruffled anyone's feathers with this admittedly lengthy message. My thanks in advance to all of you.

73, Mark, KE5MY

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Date: Sat, 26 Jan 2002 16:42:25 -0800
From: "Kory Hamzeh" <kory@avatar.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [118388] CW is Cool!
Message-ID: <002001c1a6cb\$7d555200\$14ce21c7@avatar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, after everyone's encouragement I downloaded CWGET and hooked up my laptop to my rig. It works pretty well. CWGET gives you a frequency spectrum display to set the center frequency, and a amplitude vs. time display to set the threshold. It is very easy to setup and change during a QSO as band conditions change. Anyway, I had a blast. I had two of the longest rag chewing QSO ever, and both were very interesting people. The first person, Ken, was a WWII vet and operated CW in the war. The second gentleman was in his 60's and had been a ham for many years, but he got bit by the CW bug about two years ago. Having CWGET available during the QSO gave me a boost in confidence and I was able to actually copy more than I normal do. If I missed something, I would look at the display.

Thank you everyone!

73,
Kory
AC6RN

Date: Sun, 27 Jan 2002 00:46:39 -0000
From: tf3vst@vortex.is (Villi Idunni)
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [118389] RE: LEARNING CW-If you are easily offended:don't read, delete!
Message-ID: <MABBIDGOOGFJFPNLPCNDIEEECPAA.tf3vst@vortex.is>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is how I learned the code in the beginning, but the OM who adapted this to Icelandic took care that the mneumonic had lots of the relevant letter

included.

Also there was always a short anecdote connected to the letter. I saw several english ones at that time and I found the best one was the D. A picture of a dog's do on the sidewalk, and the text: Dog did it.

72, de Villli TF3VS

>F = in the GARDen

>Xray = ONLY the BONES

Date: Sat, 26 Jan 2002 16:57:11 -0800 (PST)

From: Chuck Carpenter <W5USJ@go.com>

To: Kory Hamzeh <kory@avatar.com>,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [118390] Re: CW is Cool!

Message-ID: <1161948.1012093031663.JavaMail.W5USJ@gomailjtp04>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Nope Kory, you're only partly right.

CW is WAY Cool!

Keep working on your skills so you will rely on CWGET less and less.

That's a neat tool though. Good luck.

Chuck - W5USJ Point, Rains Co TX EM22cv, NE-TX QRP #1

GO.com Mail

Get Your Free, Private E-mail at <http://mail.go.com>

Date: 26 Jan 2002 20:17:33 EST

From: Michael Goins <mgoins@usa.net>

To: qrp-l@lehigh.edu

Subject: [118391] building question- sort of long

Message-ID: <20020127011733.3808.qmail@cpdvgl100.netaddress.usa.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: quoted-printable

Going to go out on a limb here and ask a question that I think might apply to a lot of people on this list. T

There are a great many of us out here who are most certainly not builders of the caliber of some of the outstanding folks on this list who have designed and built (and continue to design and build) much of the equipment we all consider the qrp standards. =

But there are also a good many of who want to build more, without spending a fortune on parts and/or test equipment. So my question is, what about the guy (or gal) who wants to really get serious and start building using Manhattan style or otherwise? =

What do those in the know consider a solid, basic, parts supply (which caps, resistors, diodes, ICs, etc.)? =

And what about basic test equipment? Not counting big stuff, like Oscilloscopes, and all - I'm talking about basic stuff that you can get a rig up and running with (like a Stinger Singer, and Jay Bob's frequency counter). What does a new guy really need to build and align a qrp radio with some degree of confidence?

I'm sure there are many who would like some assistance/guidance from those in the know here, and there are some of the best right here on this list. =

Someone want to make some suggestions for the new builders, those wanting to learn and build more, and the many lurkers on the list?

Thanks in advance from those who need assistance, but might not ask. =

mike
wb5yjx
1 watt all the time

=

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: 26 Jan 2002 20:24:30 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-l@lehigh.edu
Subject: [118392] minor correction
Message-ID: <20020127012430.17256.qmail@cpdvg100.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Before I get flammed and or overly corrected, what I meant was Jay Bob's frequency standard, "Melt Solder" Steve's freq counter, or the Stinger Si-nger.

Please excuse the slip. It's been a long day.

mike =

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Sat, 26 Jan 2002 20:37:57 -0500 (EST)
From: wb0wao@hotmail.com (Dennis Ponsness)
To: mgoins@usa.net
Cc: qrp-l@Lehigh.EDU (Low Power Amateur Radio Discussion)
Subject: [118393] Re: building question- sort of long
Message-ID: <1421-3C5359F5-2354@storefull-2155.public.lawson.webtv.net>
Content-Disposition: Inline

Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Well, I am far from being an expert, but I did build up a 2N2/40+ (and it works great), so this is my .02 worth.

Parts - First thing you buy is the big resistor assortment from Radio Shack. Most all of the common values and pretty reasonable. Second, you will always need .1, .01, and .001 uF ceramic caps. Buy a bunch (100 ea) from Mouser or Digi-Key. Third, 1N4148 and 1N4001 diode are used a lot as well - 100 ea of those as well. Fourth, transistors - 2N2222, 2N3904, 2N3906, and 2N4401 are "standards" as well. Buy at least 25 of each, more is better too. That will get you stocked up pretty well for a start. As far as the rest of the stuff you would need/want/use, I found the best thing is to order a lot more than what you need when you build a project. That way you will increase your junk box and usually the components are cheaper when you buy larger quantities!

Test Equipment - A good VOM is mandatory - preferably with a diode check function. As far as a freq counter goes, I have the Stinger and really like it, but I use the Radio Shack freq counter a lot too. Other test equipment you can build and couple of them are essential - a RF probe and a Xtal Checker/Oscillator. An O-scope would be great (wish I had one) but you can live with out it.

Hope this helps

72 es oo

Dennis - WB0WAO

Date: Sat, 26 Jan 2002 20:53:06 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118394] French contest
Message-ID: <004201c1a6d5\$5de94ca0\$6a156fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Working the French hams on 10, 15 and 20 (with the SW-20+ at 2 w.) this afternoon was no surprise but . . .

tonight they are wall-to-wall on the low end of 40 and all so far have come back to my 5 w. and junky antenna. Easier than the average Fox/Truffle hunt. May try 80 later this evening.

jim-
KG4LDY

Date: Sat, 26 Jan 2002 20:12:29 -0600
From: "Frank Graves" <fgraves@houston.rr.com>
To: <dpcastor@attbi.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [118395] Re: Morse code and cheap screwdriver antenna
Message-ID: <004f01c1a6d8\$15d34a80\$0331a218@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

They way I learned ...

I got my novice license in 1961. Long time ago, but I remember exactly how I learned then. DESIRE! My neighbor was ham and he lent me a handbook with the code and I memorized the dots and dashes (no sound or dit dahs or anything) -- a few days later I told him I had memorized it and he had his XYL who was also a ham give me a few weeks of code practice. When she said I was ready they adminstered the 5 WPM Novice written and code test. They didn't cut me any slack and I passed.

I didn't have much money but got a paper route and borrowed a horrible xtal controlled one tube 10 watt transmitter and got on the air. I tried to work WAS as quickly as possible and in the procces had a ZL answer a CQ on the 15 CW novice band. Then DX bit bad, calling cq cq, some DX did answer along with lotsa other novices. I was on the air with a passion and within it seems weeks was doing way over 13 WPM without even realizing it. I never really stopped sending CW for over a year after I got my general. A DX-40 came along and started working locals on 10 meters AM -- the 2 meters of the day. But seems I didn't really like talking all that much, could do that on the telephone. CW continued and continued, because I could get further than with AM and that is what I cared about -- distance (aka DX). CW was my only means for getting there with what I could afford. When it came time for the Extra, I took the test at the Wash. DC FCC office, because it was close enuff to where I lived and you went "in" to do it in those days.

My point is, that I got up over 25+ WPM without ever trying to learn anymore than the 5 WPM to get that novice ticket. The rest was just a side effect of

the passion for chasing DX etc.

So if you want to really learn CW -- do it whatever way makes sense for the 5 WPM. But if you want to enjoy CW and really use CW, total immersion for several years is necessary, so make sure you have a rig that only does CW and you WILL learn! Guaranteed.

72, Frank, K50X, Spring, TX

FT817 5 Watts (newbie QRPer) -- Am I welcome with this radio? .. hi!

(As much as I love CW -- PSK31 sure looks good to me -- advice/hints for using FT817 on PSK31 welcome)

----- Original Message -----

From: "David Castor" <dpcastor@attbi.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, January 26, 2002 5:15 PM

Subject: Re: Morse code and cheap screwdriver antenna

> I just want to second this recommendation on using the Koch method, based on

> my own experience. I used this method about three years ago and it went
> quite well. I did it using a computer configured to sent random groups of
> letters. The program allowed selection of which letters would be used,
> speed, etc. I started with two letters at 18 WPM and gradually added
> letters. If I was doing it again, I'd start at about 22 WPM.

>

> The only problem I had was moving from random letters to actual text. I
> found myself losing concentration because I was trying to guess what the
> next letter would be. It took a while to work through this.

>

> I practiced every morning and eventually passed the 20 WPM test on the first

> try.

>

> I had learned code at 5 wpm about 35 years ago for my novice test, but the
> Koch method is much better, especially if you really want to use CW on the
> air.

>

> Don't waste your time learning at 5 WPM.

>

> Anyway, hope this helps.

>

> Dave - K7EL

>

> ----- Original Message -----

> From: "James R. Duffey" <jamesd1@flash.net>

> > If I had to learn the code from scratch today, I would use the Koch

> method.
> > Dave Finley, N1IRZ, has a description of it on his website
> >
> > <http://www.sdc.org/~finley/>
> >
>
>

Date: Sat, 26 Jan 2002 18:33:52 -0800 (PST)
From: Claude <mck20@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [118396] Tube data question....
Message-ID: <20020127023352.40844.qmail@web11607.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

A few weeks ago there was two outstanding web sites for tube data information listed....Does anyone remember the sites?

If anyone does I would sure like to get this information again....Thank you, 73's Claude WB4WHH
Victoria, Va.

Do You Yahoo!?
Great stuff seeking new owners in Yahoo! Auctions!
<http://auctions.yahoo.com>

Date: Sat, 26 Jan 2002 18:41:45 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <mck20@yahoo.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [118397] RE: Tube data question....
Message-ID: <000201c1a6dc\$291f5620\$2802a8c0@RAMcCarty>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

This is the one I use

<http://www.duncanamps.co.uk/cgi-bin/tds13.exe/>

Roger KD6CC

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Claude

Sent: Saturday, January 26, 2002 6:34 PM

To: Low Power Amateur Radio Discussion

Subject: Tube data question....

A few weeks ago there was two outstanding web sites for tube data information listed....Does anyone remember the sites?

If anyone does I would sure like to get this information again....Thank you, 73's Claude WB4WHH
Victoria, Va.

Do You Yahoo!?

Great stuff seeking new owners in Yahoo! Auctions!

<http://auctions.yahoo.com>

Incoming mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.317 / Virus Database: 176 - Release Date: 1/21/2002

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.317 / Virus Database: 176 - Release Date: 1/21/2002

Date: Sat, 26 Jan 2002 22:13:10 -0500

From: "ZOOM" <kandrparker@sympatico.ca>

To: <mck20@yahoo.com>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [118398] Re: Tube data question....

Message-ID: <002d01c1a6e0\$8d1a7110\$c791fea9@wishfullko46s4>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Claude;

Here is the site I use. It's full of usefull info for those hollow state projects.

<http://www.nostalgiaair.org/otcr.htm>

Cheers,
Robert
VE3RPF

----- Original Message -----

From: "Claude" <mck20@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, January 26, 2002 9:33 PM

Subject: Tube data question....

> A few weeks ago there was two outstanding web
> sites for tube data information listed....Does anyone
> remember the sites?

> If anyone does I would sure like to get this
> information again....Thank you, 73's Claude WB4WHH
> Victoria, Va.

>

>

>

> -----
> Do You Yahoo!?

> Great stuff seeking new owners in Yahoo! Auctions!

> <http://auctions.yahoo.com>

>

Date: Sat, 26 Jan 2002 22:18:38 -0500

From: "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>

To: QRP-1 <qrp-1@Lehigh.EDU>

Subject: [118399] Re: LEARNING CW- mnemonoics

Message-ID: <5.1.0.14.0.20020126221401.009f85a0@mail.tjarey.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Dave, NOIT mentioned:
L = the HELL with it

That was the only one that was taught to me back when I was a novice. It also points to a problem with using this technique. As you pick up speed,

many of the mnemonics can slow you down. I still get hung up on "L" because of stopping to think about that mnemonic. I guess I'm glad I didn't learn any others.

+++++

T.J. "SKIP" AREY N2EI

Specialization is for insects! LAZARUS LONG

Date: Sat, 26 Jan 2002 19:16:33 -0800
From: "Mike Silva" <mjsilva697@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [118400] Re: Tube data question....
Message-ID: <006701c1a6e1\$06aae500\$8dd5b3d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One good site is

<http://www.nj7p.org/cgi-bin/tube>

73,
Mike, KK6GM

----- Original Message -----

From: "Claude" <mck20@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, January 26, 2002 6:33 PM
Subject: Tube data question....

> A few weeks ago there was two outstanding web
> sites for tube data information listed....Does anyone
> remember the sites?
> If anyone does I would sure like to get this
> information again....Thank you, 73's Claude WB4WHH
> Victoria, Va.
>
>
> -----
> Do You Yahoo!?

> Great stuff seeking new owners in Yahoo! Auctions!
> <http://auctions.yahoo.com>

Date: Sat, 26 Jan 2002 21:45:27 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@lehigh.edu
Subject: [118401] TM9R on 7.010 @ 0344Z
Message-ID: <5.1.0.14.0.20020126214205.00a55920@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

TM9R on 7.010 @ 0344Z

In France calling CQ Test!

589 into Midwest - FB ears!

Used 1 watt with Corsair I to SLX portable vertical.

DX still on frequency at 0345Z

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Sat, 26 Jan 2002 21:48:27 -0600
From: "pschweit" <pschweit@mninter.net>
To: <tjarey@tjarey.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [118402] Re: LEARNING CW- mnemonoics
Message-ID: <002101c1a6e5\$812b3a60\$0de7add1@pschweit>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I hope someone has all the characters in this topic

I have heard of this method,, but never had all the letters in one spot

----- Original Message -----

From: T.J. "Skip" Arey N2EI <tjarey@tjarey.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, January 26, 2002 9:18 PM
Subject: Re: LEARNING CW- mnemonoics

> Dave, N0IT mentioned:
> L = the HELL with it
>
> That was the only one that was taught to me back when I was a novice. It
> also points to a problem with using this technique. As you pick up speed,
> many of the mnemonics can slow you down. I still get hung up on "L"
because
> of stopping to think about that mnemonic. I guess I'm glad I didn't learn
> any others.
>
>
> ++++++
>
> T.J. "SKIP" AREY N2EI
>
> Specialization is for insects! LAZARUS LONG
>

Date: Sat, 26 Jan 2002 23:09:51 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [118403] Re: OT:CAD Software
Message-ID: <3.0.6.32.20020126230951.00796a70@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 01:16 PM 1/26/02 -0800, you wrote:
>Hi All, I just wanted to make sure that you all know
>about the really inexpensive Circuit board
>design, and layout program that is available.
>It's CADSOFT Eagle.
>Maybe I'm last to know, but I downloaded this last
>year, and finally got to use it now.
>It's free for not for profit things, up to a 3x4 inch
>board).
>. Sounds great to me! Anyway, I used various packages
>over the years,
>and this was really really easy to learn.
>Pads, (3 different versions, from free to Not
>affordable as soon as you say I have a \$bill in my

>pocket).
>Circad.. Oh my god! Yuck (Sorry Doug).

I use both - Circad seems to be easier to add new parts to the libraries (which is a necessity if you're doing radio work) but Eagle's libraries are MUCH more extensive already. I had a bit of trouble with Eagle layout editor on Windows NT 4.0 at work - when resizing or scrolling around the image it would lock up the machine. (The solution was the classic "save early and often.") But earlier versions of Circad would trigger an "illegal instruction" error in NT, so it was actually less reliable. The most recent version of Circad that I have no longer has that problem, though.

The "restrictions" on the free versions of both (no Gerber output in Circad, limited board size in Eagle) haven't been a problem for what I do.

Eagle's Web site has a lot of scripts written by other users, so there are some quite useful add-ons there. For example, there's a program to use an Eagle schematic to generate a Spice netlist (in Linux). I haven't used it, but I plan on trying it.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Sat, 26 Jan 2002 23:42:06 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [118404] Re: building question- sort of long
Message-ID: <3.0.6.32.20020126234206.0079e6a0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:17 PM 1/26/02 EST, you wrote:

>Going to go out on a limb here and ask a question that I think might apply to
>a lot of people on this list. T

>

>There are a great many of us out here who are most certainly not builders of
>the caliber of some of the outstanding folks on this list who have designed
>and built (and continue to design and build) much of the equipment we all
>consider the qrp standards.

>

>But there are also a good many of who want to build more, without spending a

>fortune on parts and/or test equipment. So my question is, what about the guy
>(or gal) who wants to really get serious and start building using manhattan
>style or otherwise?
>
>What do those in the know consider a solid, basic, parts supply (which caps,
>resistors, diodes, ICs, etc.)?
>

Mike,

Chuck Adams has written an article on suggested "basics" that every
homebrewer should stock.
http://listserv.lehigh.edu/lists/qrp-l/article/k7qo_parts.html

As for test equipment, I second Dennis' nomination of a VOM (or a DMM, a digital multimeter) as the main piece. You'll find DMMs that have lots of features: capacitor meter, diode tester, transistor tester, etc. Unless you have a REALLY definite need for such additional features, I'd say you can skip them. (Except the diode checker - most of them will display the forward voltage drop of the diode under test. This will be useful for matching diodes for balanced mixers.) I like having an analog voltmeter around for tuning things - it's easier to recognize if the voltage is going up or down as you adjust things. But if I had to have only one instrument, it would be the DMM.

If you're going to get serious about developing gear, a scope is the next most useful piece of test gear. But scopes are (relatively) expensive and large: if you don't want to devote the money or space to one right now, it can wait a little while.

A good receiver makes an excellent piece of test equipment - it can measure the frequency of signals that are too weak to trigger a counter. If you don't have a scope, I'd say a receiver is the definite "next in line."

I'd like to nominate a good magnifier as a necessity, too - even if you don't need it now, you probably will some day. (Grin)

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Sun, 27 Jan 2002 00:20:58 -0500

From: "ZOOM" <kandrparker@sympatico.ca>
To: <wd8civ@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [118405] Re: OT:CAD Software
Message-ID: <006401c1a6f2\$67ae57e0\$c791fea9@wishfullko46s4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wincircuit is another great program. It's not free but well worth the money.
Here is the link.
<http://www.kagi.com/alain.michel/anglais.htm>

----- Original Message -----

From: "David Hinerman" <wd8civ@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, January 26, 2002 11:09 PM
Subject: Re: OT:CAD Software

> At 01:16 PM 1/26/02 -0800, you wrote:
> >Hi All, I just wanted to make sure that you all know
> >about the really inexpensive Circuit board
> >design, and layout program that is available.
> >It's CADSOFT Eagle.
> >Maybe I'm last to know, but I downloaded this last
> >year, and finally got to use it now.
> >It's free for not for profit things, up to a 3x4 inch
> >board).
> >. Sounds great to me! Anyway, I used various packages
> >over the years,
> >and this was really really easy to learn.
> >Pads, (3 different versions, from free to Not
> >affordable as soon as you say I have a \$bill in my
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> >Circad.. Oh my god! Yuck (Sorry Doug).
>
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> (which is a necessity if you're doing radio work) but Eagle's libraries
> are
> MUCH more extensive already. I had a bit of trouble with Eagle layout
> editor on Windows NT 4.0 at work - when resizing or scrolling around the
> image it would lock up the machine. (The solution was the classic "save
> early and often.") But earlier versions of Circad would trigger an
> "illegal

> instruction" error in NT, so it was actually less reliable. The most recent
> version of Circad that I have no longer has that problem, though.
>
> The "restrictions" on the free versions of both (no Gerber output in
> Circad, limited board size in Eagle) haven't been a problem for what I do.
>
> Eagle's Web site has a lot of scripts written by other users, so there are
> some quite useful add-ons there. For example, there's a program to use an
> Eagle schematic to generate a Spice netlist (in Linux). I haven't used it,
> but I plan on trying it.
>
> Dave
>
>
> -----
> Dave Hinerman
> WD8CIV@worldnet.att.net
>
>

Date: Sun, 27 Jan 2002 00:40:09 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [118406] DX with Homebrew Neophyte and Ugly Weekender
Message-ID: <GCECIJFJPOHMCKACOA0BAEFADGAA.jakecart@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Worked the TM9R and another French station with my homebrew Neophyte receiver and my homebrew Ugly Weekender 2-watt transmitter and 40m wire dipole up abt 25'. I plan to frame those QSL cards :-)

Jake -- N4UY
Vienna, VA
(Wash DC suburbs)

Date: Sun, 27 Jan 2002 17:20:59 +1100
From: "Graeme Zimmer" <gzimmer@optushome.com.au>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [118407] Tiny DSP filter for QRP
Message-ID: <001401c1a6fa\$c958cf40\$0886a4cb@C03043446A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi folks,

For those who (like me) are facinated by audio filters for CW work...

I have just started a Web page which will detail my latest DSP filter design.

it's at <http://members.optushome.com.au/gzimmer/AleWeb/default.html>

(hint: I'll need some Volunteers to test my prototypes....)

later Zim VK3GJZ

Date: Sun, 27 Jan 2002 07:10:29 +0000 (GMT)
From: Bob Okas <vintage@vintage.best.vwh.net>
To: mck20@yahoo.com
Cc: qrp-l@lehigh.edu
Subject: [118408] Re: Tube data question....
Message-ID: <Pine.BSF.4.40.0201270700180.56930-1000000@vintage.best.vwh.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Another site is Triode Electronics: <<http://www.triodeel.com>>
They hve .gif files of RCA data sheets as well as links to military types in pdf format.

73,
Bob

Date: Sun, 27 Jan 2002 06:14:00 -0200
From: "Bill Meara" <n2cqr@clix.pt>
To: <mgoins@usa.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [118409] Re: building question- sort of long
Message-ID: <002901c1a70a\$94aa8800\$27de17c3@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Michael: That's a good question.

You've already got some good suggestions from others -- I'll try to throw in a few more ideas.

-- Tech library. Start gathering useful books.

-- There are lots of really cheap signal generators out there. I use an old Heath SG-6! Unstable, no accurate freq readout, but it cost 15 dollars and it really helps me on the bench.

-- I think the General coverage receiver is more useful than a counter. I have a Radio Shack DX-390 on my bench. Great for finding out if the oscillator is oscillating. And you can HEAR if the tone is clean, etc.

-- Variable voltage power supply.

-- Good workbench. Home Depot used to sell kits for very nice 6 foot wood workbenches for about 50 bucks. I really like mine.

73 de Bill CU2JL (aka N2CQR)
Sao Miguel Island
The Azores, Portugal
37.7 N 25.6 W
<http://planeta.clix.pt/n2cqr>

----- Original Message -----

From: "Michael Goins" <mgoins@usa.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, January 26, 2002 11:17 PM

Subject: building question- sort of long

> Going to go out on a limb here and ask a question that I think might apply to

> a lot of people on this list. T

>

> There are a great many of us out here who are most certainly not builders of

> the caliber of some of the outstanding folks on this list who have designed

> and built (and continue to design and build) much of the equipment we all consider the qrp standards.

>

> But there are also a good many of who want to build more, without spending

a
> fortune on parts and/or test equipment. So my question is, what about the
guy
> (or gal) who wants to really get serious and start building using
manhattan
> style or otherwise?
>
> What do those in the know consider a solid, basic, parts supply (which
caps,
> resistors, diodes, ICs, etc.)?
>
> And what about basic test equipment? Not counting big stuff, like
O'scopes,
> and all - I'm talking about basic stuff that you can get a rig up and
running
> with (like a Stinger Singer, and Jay Bob's frequency counter). What does a
new
> guy really need to build and align a qrp radio with some degree of
confidence?
>
>
> I'm sure there are many who would like some assistance/guidance from those
in
> the know here, and there are some of the best right here on this list.
>
> Someone want to make some suggestions for the new builders, those wanting
to
> learn and build more, and the many lurkers on the list?
>
> Thanks in advance from those who need assistance, but might not ask.
>
> mike
> wb5yjx
> 1 watt all the time
>
>
>
> -----
> Get free e-mail and a permanent address at <http://www.amexmail.com/?A=1>
>

Date: Sun, 27 Jan 2002 06:18:53 -0200
From: "Bill Meara" <n2cqr@clix.pt>
To: <n2go@arrl.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [118410] Re: SSB project
Message-ID: <003101c1a70b\$442d8fc0\$27de17c3@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim: Yes, you are not alone! I'm enjoying the SSB TX project. I find it very similar to building a single conversion superhet RX.

One question for the group: How much shielding do you guys use when building rigs like this? I've all extremes of shielding, from none, to rigs with all stages in separate sealed boxes. How much is really needed?

73 de Bill CU2JL (aka N2CQR)
Sao Miguel Island
The Azores, Portugal
37.7 N 25.6 W
<http://planeta.clix.pt/n2cqr>
----- Original Message -----
From: <n2go@arrl.net>
To: "Bill Meara" <n2cqr@clix.pt>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, January 26, 2002 5:12 PM
Subject: Re: SSB project

> That's what I like about this list. Just about any weird thing that I
> might be doing.... someone here is also doing.
>
> Last week I built a DDS vfo for 5-5.5 Mhz. Yesterday I built a version of
> the Universal VFO for 5-5.5Mhz.
>
> Today I etched a board for a 9 Mhz SSB generator with balanced
> modulator/ carrier oscillators/ cw drive control and speech amplifier.
> I really like the pnp Blue film for making pcb's. Cleanliness of the board
> and temperature are very important for success.
>
> I think this one will turn into a separate receiver and transmitter with
> the receiver VFO controlling both. Not sure if there will be one or two IF
> filters.
>
> 73,
>
> Jim (n2go)
>
>
>

>

Date: Sun, 27 Jan 2002 02:22:53 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: dpcastor@attbi.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [118411] The Kpch method
Message-ID: <3C53AACD.8DE055DF@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One point that may help all of you using the Koch method. I used this same method, though I didn't know its name 50 years ago. If you configure your sending program to only send the characters you are know you may slow down your progress. A very large part of learning the code is recognizing the characters as they are being sent. If all you hear are the characters you know, you will never learn to pick out each character or ignore characters you don't know! A better approach is to let the program send the full character set and force your mind to pick out the characters you know. Also, copying off the air, using W1AW will further improve your learning by adding the effects of QRM and QRN to your learning.

83

Date: Sun, 27 Jan 2002 02:49:47 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: wb0wao@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [118412] Re: building question- sort of long
Message-ID: <3C53B11B.23D8583D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, I built up my junkbox a long time ago, but here is what worked for me:

For resistors and capacitors, you can buy assortments from Radio Shack or other places. You will end up with a few values you never use but you will use most of them at one time or another. You can also buy the

parts for a specific project but buy two or three of the common ones. If you look at a number of schematics you will find values like 47 ohms, 100 ohms, 1000 ohms etc. frequently used. Lay in a small supply of them.

Capacitors are a bit different. They are often chosen by application. Buy a selection of .001, .01. and .1 uF capacitors for bypassing purposes. Buy selected values of silver micas or polystyrene capacitors for frequency determining circuits.

Active devices are best bought as needed. You will seldom need more than is called for of any one time. Maybe keeping a few 2N2222A's or 2N3904's on hand may work though.

73

Date: Sun, 27 Jan 2002 03:59:54 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-1@Lehigh.EDU>, <fpqrp-1@mpna.com>
Subject: [118413] 160 is a BLAST!!!!!!!
Message-ID: <002901c1a710\$fd505460\$21dd1b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all...

What a blast! Working the 160 contest QRP. Been pouncing on all the stationary ops; picked up 37 states so far... best part was hearing Ade, W0RSP working stations all over and I NEEDED SD BAD! So I figured I'll park myself near 1810 and just keep calling CQ TEST. About 15 minutes of calling CQ, Ade finally showed up and I got my SD. TNX ADE!!! Now to get the remaining 13 states; wishful thinking :-)

-Diz, W8DIZ, Loveland, OH

PS: I've heard every state except AK, HI, WY and ID. Strange; I hear N4BP 589 but he can't hear me ..Whats up Bob?

Date: Sun, 27 Jan 2002 04:09:23 EST
From: IamSF5@aol.com

To: jstamper@shentel.net, qrp-1@lehigh.edu
Subject: [118414] Re: French contest/The Frenchies are hot tonight
Message-ID: <10e.b621d17.29851dc3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/26/02 8:54:43 PM Eastern Standard Time,
jstamper@shentel.net writes:

<< tonight they are wall-to-wall on the low end of 40 and all so far have come
back to my 5 w. and junky antenna. Easier than the average Fox/Truffle
hunt. May try 80 later this evening.

>>

I lost count on the French stations I worked.

I used the MFJ rig and my HOQ window mount antenna and my lowest RST was 359.

Bob

WA2HOQrp <tm>

Date: Sun, 27 Jan 2002 06:03:28 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [118415] South Pole on 20 last evening
Message-ID: <F84dWfFMVpHgLVbxZX00018680@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, y'all.

I've only worked into Antarctica a few times over the past 37 or so
years...KC4USA, KC4USN et al at McMurdo.

Saturday evening LT, 26 JAN 2002, KC4AAA at (or very near) the South Pole
was parked on 14005 kHz and op Nikolaj, UA3UH, was working what sounded like
the whole world from down there. Nick mentioned that AB0KG was also on-site.

My li'l DSW-20 couldn't bust the pileup this time but, then, my antenna
being tuned for operation in the 40 meter band didn't help much (ouch, 50%
reflected power according to the WM-2)...gotta add some kind of remotely
controlled tuning for that antenna...just too cumbersome to tune from out at
the fencepost in the dark! Yes, I admit it...I'm one of those who likes to
tune the antenna at the antenna instead of from the rig-end of the
feedline...COAX FOREVER...flame suit on, now :)

Next time...

73.

Bill, N4QA

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Sun, 27 Jan 2002 07:15:26 EST
From: IamSF5@aol.com
To: qrp-L@lehigh.edu
Subject: [118416] Many Thanks for antenna info
Message-ID: <f9.1661a593.2985495e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Many thanks to all who responded to my quest for the ultimate antenna.
I have room for a lot of wire but ladder line is OUT!..
I can't have a mast taller then 15 feet.
In the old QTH I worked VK stations with a regular inverted "V" and only
running 5 watts.
This building is funded by your NJ tax payers and they have regular
inspections on everything.
I'm on the 4th floor and they gave me the OK to put up an antenna (3 total)
but all feed lines must be buried under the stone so no one can trip over it.
So I guess I'll keep the 40 and 20 meter antenna up and run one long dipole
for 80 and use that to load into other bands.
Again,
Thanks for all the info.
Bob
WA2HOQrp <tm>

Date: Sun, 27 Jan 2002 07:18:00 -0500
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118417] ot? maybe
Message-ID: <001c01c1a72c\$aa5ce9a0\$2e211c18@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I saw the info on the cadsoft software, I downloaded the program , but when it got to the "install wizard" point it won't install!! can anyone point me in the right direction??? thanks
carl / kz5ca

Date: Sun, 27 Jan 2002 07:21:27 EST
From: IamSF5@aol.com
To: n4qa@hotmail.com, qrp-1@lehigh.edu
Subject: [118418] Re: South Pole on 20 last evening
Message-ID: <d5.1232eb96.29854ac7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/27/02 6:04:47 AM Eastern Standard Time, n4qa@hotmail.com writes:

<< he fencepost in the dark! Yes, I admit it...I'm one of those who likes to tune the antenna at the antenna instead of from the rig-end of the feedline...COAX FOREVER...flame suit on, now :)

>>

Hi Bill,
No need for a flame suit.
I love coax and use the RG6U 75 ohm.
I did hear that pile up and all I had was the HOQ home made window antenna.
Bob
WA2HOQrp <tm>

Date: Sun, 27 Jan 2002 05:47:49 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Brad Mitchell <n8yg@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [118419] Re: OT:CAD Software
Message-ID: <Pine.LNX.4.33.0201270542560.1611-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Brad, I just D/L the free version which is the full version with some key required to get full performance. I got the version for Linux and it loaded on Red Hat 7.2 with no errors. Also got the .pdf instructions but haven't looked at it yet.

It's clear the thing you need most is a large library of all the components you will need.

Thanks for the URL Brad.

On Sat, 26 Jan 2002, Brad Mitchell wrote:

> Hi All, I just wanted to make sure that you all know
> about the really inexpensive Circuit board
> design, and layout program that is available.
> It's CADSOFT Eagle.
> Maybe I'm last to know, but I downloaded this last
> year, and finally got to use it now.
> Anyway,
> here's the web page.
> <http://www.cadsoft.de/>
> No excuses now.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 27 Jan 2002 06:08:17 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [118420] CW and QRP-L
Message-ID: <Pine.LNX.4.33.0201270555540.1611-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In 2 years or less code will be removed as a requirement for a license on HF. So new Hams will not even hear about code. But a few will get QRP-L and there hear about code and listen to Fox Hunts and read about radios that only do CW.

These people are going to want CW and not at 5 wpm. To enjoy CW you must work at about 15 words per minute. Use the many abbreviations and enjoy a chat.

Jim KK6MC/5 talks about a German method of learning code. I got 3 computer software packages that might be the way to go. Again the one from

Germany looks most attractive with a cat sending CW via a key.

I think we need a place to send a guy that has a proven method of learning code with instructions that are simple and accurate. We need to tell them to shoot for 15 wpm. And make it possible to get there in under a year...:-)

I have a web page that's paid for and would be glad to host files and reading on the web page. Might put the stuff on 2 web servers just to be sure.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 27 Jan 2002 08:05:14 -0500
From: Steve - K8PZ <k8pz@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [118421] Re: Tube data question....
Message-ID: <3C53FB0A.2000009@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

A site I find very helpful:

<http://home.wxs.nl/~frank.philipse/frank/frank.html>

72

Steve .. k8pz

Date: Sun, 27 Jan 2002 07:16:29 -0600
From: "tmyers" <tmyers@AcademicPlanet.com>
To: <w8diz@fpqrp.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [118422] Re: 160 is a BLAST!!!!!!!
Message-ID: <002b01c1a734\$d6cd47c0\$1600a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

What station are you using on 160M? Rig and Ant configuration. I have the K2 on with a dipole that is like a G5RV at 35 feet and I have not had any contacts over 750 miles. I hear them but they don't hear me.

Enlighten us.

Thanks

KQ5U, Terry
Spring, Texas

----- Original Message -----

From: w8diz <w8diz@fpqrp.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Sent: Sunday, January 27, 2002 2:59 AM

Subject: 160 is a BLAST!!!!!!!

> Hi all...

>

> What a blast! Working the 160 contest QRP. Been pouncing on

> all the stationary ops; picked up 37 states so far...

> best part was hearing Ade, W0RSP working stations all over

> and I NEEDED SD BAD! So I figured I'll park myself near 1810

> and just keep calling CQ TEST. About 15 minutes of calling CQ,

> Ade finally showed up and I got my SD. TNX ADE!!!

> Now to get the remaining 13 states; wishful thinking :-)

>

> -Diz, W8DIZ, Loveland, OH

>

> PS: I've heard every state except AK, HI, WY and ID.

> Strange; I hear N4BP 589 but he can't hear me ..Whats up Bob?

>

Date: Sun, 27 Jan 2002 08:40:47 -0500

From: "John J. McDonough" <wb8rcr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [118423] Re: building question- sort of long

Message-ID: <002001c1a738\$3b0253e0\$010044c0@chartermi.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I think my strategy is a little different, but similar.

Starting out with an assortment of resistors is a good plan. There are lots of them out there for cheap. I found I could often get large numbers of the same value at hamfests real cheap, so I laid in a good supply (hundreds) of common values. Now it turns out that radioshack.com sells resistors in hundreds for a penny a piece, so if you are preparing for a project and need more than a couple of one value, it's probably worthwhile spending a whole buck and being set on that value for a while.

Caps I'm pretty much with Bruce, not so sure I'm happy with the result, tho. Far too often I find myself spending too much money and waiting for a cap. Radio Shack has a disk kit that's a good start. I just ordered the Norcal kit which is similar in content but way bigger. You can always use disks, although for bypassing, you can sometimes get a deal on monolithics, which I like better. Worthwhile laying in a few hundred .01's or .001's if you see them cheap. On silver mica's, though, I'm a fan of buying them when I see them. They are very hard to find, and terribly expensive. Eventually you can build up an assortment of values and you don't need to mortgage your house for that next PI network.

Don't forget toroids. You can afford a good selection from Diz so get them and don't be waiting weeks to get them from Amidon.

Actives are where I really part ways with Bruce. Pretty soon you find some parts you use all the time. Hunt around for a deal and lay in a supply. I seem to use 78L05's like candy ... no sense paying a buck at the shack when I can get them for a third that. I still haven't found a great deal on large numbers but still looking.

Other IC's you will find you use a lot. For me, I have a handful of 602's, a small selection of op amps. Of course, you need a pretty good selection of logic circuits. Lately I'm getting to like the 74HC or HCT series, but most of the time it doesn't matter. But you need a good supply of 00's, 04's, 07 or 17's, and 132's. A few counters and flip flops don't hurt, either. This is another one of those cases where, if you're a little flexible, you can save a ton of money. Once in a while you can pick up some of the more common parts for a few cents, a lot better than having to drop \$1.19 for a onsey at the shack.

I like to have a few more transistors on hand than Bruce. You can't live without some 2222's or 3904's, but you can often find them for a penny, so get a couple hundred. You can be a lot more creative with your designs if there's another 99 of them sitting on the shelf. You also need a few 3906's or something similar. You don't need these very often, but when you do it's often a surprise. Also, it's nice to have a few FET's, say J310's or MPF102's. Once in a while a bipolar just won't cut it. And of course, a

couple of something for a PA, say a 2SC1969 or so. Once again, though, I would watch the price and not buy stuff you're not going to use right away unless the price is right.

I do a lot of PIC stuff, so I keep a few PICs, and a handful of those tiny crystals on hand. I also scarf up LCD displays when the price is right. Better to have a five buck display sit on the shelf for a few weeks than spend 30 for the same thing when I need it in a hurry. I'm beginning to look at encoders the same way.

And most importantly, copperclad. Once in a while you can get a deal on copperclad at a hamfest. When you see it, scarf up enough for a couple of years. That stuff is expensive and hard to get. Have you ever used the Radio Shack stuff? It's expensive *AND* junk. You can never have enough copperclad.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, January 27, 2002 2:49 AM
Subject: Re: building question- sort of long

>
> Well, I built up my junkbox a long time ago, but here is what worked for
> me:

Date: Sun, 27 Jan 2002 09:39:07 -0500
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
n4qa@hotmail.com
Subject: [118424] Re: South Pole on 20 last evening
Message-ID: <3C53CABB.19187.527E34@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Skip (who I think has an N8 call) is also quite active. Got lucky and worked him from the car a few weeks ago. Went out for dinner with the xyl to the local El Chico. After dinner, she visited the head

and I went out to the car and began tuning. I caught the tail end of a qso and thought that I recognized the KC4AAA call from the QST article. This happened very quickly...he only gave his call once and it was one of these situations where I thought I heard the call but was not really sure. I called and he answered. The rest is in the log. Wasn't qrp though...I was running 100W from my 718 to the hamstick type whip. He was 59+, I got a 53. My wife joined me while this was going on and she had a hard time believing the dx.

Also worked JT1C0 from the car on Friday while I was on my way to pick up a newspaper. Same 100W, same hamstick.

Henry

> Hi, y'all.
>
> I've only worked into Antarctica a few times over the past 37 or so
> years...KC4USA, KC4USN et al at McMurdo.

Date: Sun, 27 Jan 2002 13:35:58 +0000
From: Larry Cahoon <lejek@erols.com>
To: tmyers@AcademicPlanet.com, qrp-l@lehigh.edu
Subject: [118425] Re: 160 is a BLAST!!!!!!!
Message-ID: <5.1.0.14.0.20020127133102.00b84080@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Terry, A G5RV I believe is a bit short for good work on 160. I tried it once with a 80m dipole and had very little luck getting very far. Try for a full dipole if you can. The fellow who has been winning QRP in the 160 contests the last few years uses nothing more than an inverted V hung from his 70 ft tower. I think the only state he has not worked QRP on 160 is AK. In the December contest he missed three states from MD. I think he told me they were AK, ND, and OR - if my memory is correct.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

At 07:16 AM 1/27/2002 -0600, you wrote:
>What station are you using on 160M? Rig and Ant configuration. I have
>the K2 on with a dipole that is like a G5RV at 35 feet and I have not

>had any contacts over 750 miles. I hear them but they don't hear me.

>

>Enlighten us.

>

>Thanks

>

>KQ5U, Terry

>Spring, Texas

>

>----- Original Message -----

>From: w8diz <w8diz@fpqrp.com>

>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

>Sent: Sunday, January 27, 2002 2:59 AM

>Subject: 160 is a BLAST!!!!!!!

>

>

> > Hi all...

> >

> > What a blast! Working the 160 contest QRP. Been pouncing on

> > all the stationary ops; picked up 37 states so far...

> > best part was hearing Ade, WORSP working stations all over

> > and I NEEDED SD BAD! So I figured I'll park myself near 1810

> > and just keep calling CQ TEST. About 15 minutes of calling CQ,

> > Ade finally showed up and I got my SD. TNX ADE!!!

> > Now to get the remaining 13 states; wishful thinking :-)

> >

> > -Diz, W8DIZ, Loveland, OH

> >

> > PS: I've heard every state except AK, HI, WY and ID.

> > Strange; I hear N4BP 589 but he can't hear me ..Whats up Bob?

> >

Date: Sun, 27 Jan 2002 08:17:44 -0600

From: "Gene Sailsbury" <gsailsbury@mobill1.net>

To: "Low Power" <qrp-l@Lehigh.EDU>

Subject: [118426] CE 2.11 Ham Programs

Message-ID: <005b01c1a73d\$63effb40\$0100a8c0@mshome.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello:

I am sure that this has been answered before but I need some URL's that have Ham Radio programs for The CE 2.11 OS. I have the CTR817 program for my

FT-817 and would like more programs. Thanks
Gene Sailsbury KC0IKY
Pittsburg, Ks

Date: Sun, 27 Jan 2002 09:52:04 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: wb8rcr@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [118427] Re: building question- sort of long
Message-ID: <3C541414.F6F1EB53@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well John, my advice is aimed at the beginner. The beginner may only think he wants to get into building. What does he do if he invests \$50.00 in parts and then finds it is not for him!

Going slowly is less expensive. Also, it depends on what you like to build. If you are into building kits, then why have a big junkbox? If you are into designing your own equipment, not that hard if you do it properly, then a larger junkbox helps a whole lot.

It is hard to predict what you will need for a project you have not yet seen or designed. That is why I say go slowly!

73

Date: Sun, 27 Jan 2002 08:57:35 -0500
From: W2AGN <w2agn@pobox.com>
To: "Karl F. Larsen" <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118428] Re: CW and QRP-L
Message-ID: <0201270857350P.04295@CC2289974-A>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Sunday 27 January 2002 08:08, Karl F. Larsen wrote:
> In 2 years or less code will be removed as a requirement for a
> license on HF. So new Hams will not even hear about code. But a few will

> get QRP-L and there hear about code and listen to Fox Hunts and read about
> radios that only do CW.
>
> These people are going to want CW and not at 5 wpm. To enjoy CW
> you must work at about 15 words per minute. Use the many abbreviations and
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> Germany looks most attractive with a cat sending CW via a key.
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> I think we need a place to send a guy that has a proven method of
> learning code with instructions that are simple and accurate. We need to
> tell them to shoot for 15 wpm. And make it possible to get there in under
> a year....:-)
>
> I have a web page that's paid for and would be glad to host files
> and reading on the web page. Might put the stuff on 2 web servers just to
> be sure.

--

Give credit where it's due. Karl is 100% on this one. We also need "games"
for the computer that also teach CW. I am sure there must be some out there.

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Sun, 27 Jan 2002 10:05:06 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118429] Re: 160 is a BLAST!!!!!!!
Message-ID: <006a01c1a744\$01dcd930\$39d81b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Terry,

The rig is a Icon-746, but I don't think that makes much difference.
I do have a 470 foot horizontal loop around my house.
It is fed with 300 ohm twin at 70 feet; looks like an inverted-V,

as all the other supports for the antenna are at about 30 feet.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----

From: "tmyers" <tmyers@AcademicPlanet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, January 27, 2002 8:16 AM
Subject: Re: 160 is a BLAST!!!!!!!

What station are you using on 160M? Rig and Ant configuration. I have the K2 on with a dipole that is like a G5RV at 35 feet and I have not had any contacts over 750 miles. I hear them but they don't hear me.

Enlighten us.

Thanks

KQ5U, Terry
Spring, Texas

Date: Sun, 27 Jan 2002 08:54:24 -0500
From: W2AGN <w2agn@pobox.com>
To: "w8diz" <w8diz@fpqrp.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [118430] Re: 160 is a BLAST!!!!!!!
Message-ID: <0201270854240N.04295@CC2289974-A>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Sunday 27 January 2002 03:59, w8diz wrote:

>

> PS: I've heard every state except AK, HI, WY and ID.

> Strange; I hear N4BP 589 but he can't hear me ..Whats up Bob?

--

Now I don't feel so bad. I just got on at 1 watt to try to make 1000 mpw on 160 (last of 10 bands). I also heard, and called Bob, but he was in "express CQ" mode.

I worked a few stations, but none far enough. I tried my 300' loop both with the feeders tied together, and opened at the far side to make a "bent dipole."

John L Sielke W2AGN
w2agn@pobox.com
http://www.qsl.net/w2agn
Trustee: W3IYQ

Date: Sun, 27 Jan 2002 05:12:23 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [118431] Collecting parts for building
Message-ID: <Pine.LNX.4.33.0201270507480.2693-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Resistors 1/4W
10 each 161 values for \$19.95
You can always replenish the most used values and not overstock the one in a lifetime values.

Try <http://unicornelectronics.com/resistors.html>

There are a lot of caps and other parts listed.

They offer free shipping on orders over \$20.

73,

Jim (n2go)

Date: Sun, 27 Jan 2002 09:39:43 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118432] Re: CW and QRP-L

Message-ID: <061d01c1a740\$7674dbc0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll put the stuff on the QRPP-I site as well. I'll put files, docs, etc.
there to help people. Send me anything you have.

73/72/71! de Brice KA8MAV
<http://www.QRPP-I.com>

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, January 27, 2002 8:08 AM
Subject: CW and QRP-L

>
> In 2 years or less code will be removed as a requirement for a
> license on HF. So new Hams will not even hear about code. But a few will
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> radios that only do CW.
>
> These people are going to want CW and not at 5 wpm. To enjoy CW
> you must work at about 15 words per minute. Use the many abbreviations and
> enjoy a chat.
>
> Jim KK6MC/5 talks about a German method of learning code. I got 3
> computer software packages that might be the way to go. Again the one from
> Germany looks most attractive with a cat sending CW via a key.
>
> I think we need a place to send a guy that has a proven method of
> learning code with instructions that are simple and accurate. We need to
> tell them to shoot for 15 wpm. And make it possible to get there in under
> a year...:-)
>
> I have a web page that's paid for and would be glad to host files
> and reading on the web page. Might put the stuff on 2 web servers just to
> be sure.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.zianet.com/k5di/>
>

Date: Sun, 27 Jan 2002 08:22:16 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [118433] Re: Tube data question....
Message-ID: <20020127.082220.-189811.0.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The following tube info sites passed by the Glowbug
list some time ago and may also be useful.

<<http://www.qsl.net/ab4yd/myprojects/index.htm>>
<<http://www.kbapps.com/tubemanual.htm>>
<<http://www.cyberhell.net/NostalgiaAir/otcr.htm>>
<http://www.ginko.de/user/franz.hamberger/roehren/roehren.html>

TUBES AVAILABLE: I have over 300,000 tubes in stock...Please email
me with your needs....I do not have a price list nor a web site...THANX
RICHARD <RH3333@AOL.COM>
TALLAHASSEE, FL USA - Sunday, May 06, 2001 at 10:44:14 (EDT)

73
Ray
I don't approve of political jokes. I've seen too
many of them get elected.
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M
NARTE-NCT2R FP# 111, SOC#78, ARCI 5784,
El Paso, (FAR WEST) TEXAS

Date: Sun, 27 Jan 2002 10:35:42 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <w6toy@erols.com>
Subject: [118434] Re: building question- sort of long
Message-ID: <036501c1a748\$496934c0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bruce, those are awfully good points.

I did most of my junkbox building when I was making my 2N2/40. I had intended to make some descendants, it turns out they were more distant relatives than I imagined, but in general I bought enough parts for 3, sometimes more depending on quantity breaks. As a result, that first 2N2/40 probably cost me over \$200. I absolutely don't regret it, but not everyone may have the stomach for that sort of investment in toys that may never get used.

And you make a REAL good point about thinking about what you will be building. Obviously, not everyone is going to fool with PICs, LCDs and logic circuits. Neither is everyone going to build a 7 watt PA.

But on the other hand, when you get that first homebrew rig working, there's this tremendous buzz. After the first couple of Q's you want to go building something else. If the parts are there, you just pick up the slobbering iron and have at it. Once you've got something working you're a little less shy about building, and having the parts to do something useful really gets you over the hump.

BUT - they do cost money, and it's easy to spend a lot. So an awful lot depends on what your inclination is and how much you value money. And where you get your fun, too. I've gotten a lot more fun out of that initial 2N2 investment than I did in twice that much on my K1. Not that the K1 isn't a great rig, just that I seem to have more fun melting solder. But that's just me. You are you, and you gotta take that into consideration.

Last night I got my display controller reading the shaft encoder. OK, it's a long way from making a QSO with the rig, but that step was a terrific amount of fun for me. For what, a cheap encoder and a couple of resistors, plus a few hours with a meter and an assembler. Probably as much of a turn on as hearing CW from my NC-20 for the first time. A lot of people would think I am nuts. How could anyone possibly enjoy grokking in low level assembly code just to read a stupid encoder. The French have a nice saying for it - to each little bird, his own nest is beautiful.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, January 27, 2002 9:52 AM
Subject: Re: building question- sort of long

> Well John, my advice is aimed at the beginner. The beginner may only
> think he wants to get into building. What does he do if he invests

> \$50.00 in parts and then finds it is not for him!
>
> Going slowly is less expensive. Also, it depends on what you like ot
> build. If you are into building kits, then why have a big junkbox? If
> you are into designing your own equipment, nt that hard if you do it
> properly, then a larger junkbox helps a whole lot.
>
> It is hard to predict what you will need for a project you have not yet
> seen or designed. That is why I say go slowly!
>
> 73

Date: Sat, 26 Jan 2002 09:12:59 +0700
From: "Donny Sirait" <dsirait@centrin.net.id>
To: <Schunn99@aol.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [118435] Re: Morse code and cheap screwdriver antenna
Message-ID: <000001c1a749\$c3571580\$c2f192ca@donnysirait>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Scott,

> I got two questions: the first one is concerning morse code and the second
> portable antennas.
> I currently hold a tech. license no code.I am 15. Any tips or hints about
> learning morse code?
> I am a very visual learner and I have tryed listening to code but I canot
> seem to reconize the sound and then matching the sound with it's letter
very
> easily. I am with troop 19 out of Charlotte, NC and I want to start
listening
Youve got lotsa tips from the expert however I think I'll toss my 2 cents hi
hi
Ham radio learn morse code for 2 reasons
 a. To upgrade their license
 b. To have fun
The reason why I mentioned this is due to the end result of their
efforts
Those who were motivated by the a reason mostly will never enjoy the
code unless they
 relearned the correct way. Most of them use the visual way so they are
mentally locked

to about 10wpm since you'll not have enough time to double convert the sounds to

dots n dashes and then to the real letter (not mentioning letter to words)

Here in Indonesia we are still required to pass the 12 wpm test to achieve our extra class

license however I learned the code for fun and now were able to do 20wpm ragchew and

probably 30 on contest (phew) so I hope that you'll try the correct way to learn the code

and you'll guaranteed lotsa fun, remember youre still young and have better ability compared

to us the older generation to learn the code well to even stand side by side with Chuck Adams

K7QO (remember Chuck did not achieve his speed in an overnight, he need years hi hi)

So welcome to the fine world of morse code. Probably if youre a bit technical oriented you

can read Bill Pierpoint's book "The art and skill of Radio Telegraphy" it is available on the

internet and you can find it via a google search (I am doing the Indonesian version at my

spare time hi hi)

> to hf while on camp outs the problem is I want a screwdriver antenna but I > can't find one thats cheaper than \$150. Any suggestions?

If your aim is listening then any simple wire will be enough don't even bother to make special

connectors however if you want to transmit then it will be a completely different story.

All the best es vy 72 de YB1BOD

Donny

Date: Sun, 27 Jan 2002 08:55:56 -0500

From: David Hinerman <wd8civ@worldnet.att.net>

To: qrp-1@lehigh.edu

Subject: [118436] Re: building question- sort of long

Message-ID: <3.0.6.32.20020127085556.007952c0@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>From: "Mike Malone" <mmalone@worldlogon.com>

>

Lots of great suggestions in the replies, a DMM and an RF probe should be the first test gear you get. The marker generator from the Ft Smith QRP club is a real handy piece of alignment gear too. I bought a meter with all the bells and whistles including a freq meter and I would suggest skipping that. the 3.5 digit display just doesn't give you the resolution you need. Get some assorted test leads too. While I have a nice weller station now, I built my K2 with a cheapie from RS and it is still working just fine. I have an old higher powered iron for coax work and it works great for heat stripping and tinning toroid and transformer leads. I would suggest a good tweezer set for manhattan and also a good flush cutter and needle nose plier. Cheap iron fine but don't go cheap on the hand tools! As far as parts go, don't overlook junked computer cards from older computers and other surplus electronics devices. I would agree with the RS resistor assortment and would suggest you get a few LM386's and some 741's in addition to what has already been suggested. Keeping some 612's or 602's is a good idea too. There are some good deals on bulk cap's too, such as electro assortments and for darn sure buy some toroids and mag wire. All of the W1FB notebooks are good to have too. Build a xtal tester when you get a counter, it will help you match xtals for filters if you build the SW+ or the 2n240. Oh, the magnifier with the two alligator clips is a must have in my shop. I like a powerful hand magnifier for reading those darned tiny caps and the resistor codes. A prototyping board for trying things out on is handy, small one with power lugs is what I have. A clean "no hash" bench power supply is good to have too. You can find lots of this stuff at ham fests and from electronics surplus places.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Sun, 27 Jan 2002 09:26:32 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Brice D. Hornback" <bdh@cyberbound.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118437] Re: CW and QRP-L
Message-ID: <Pine.LNX.4.33.0201270923590.2477-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Fine Brice, I will send you stuff as a file attachment to e-mail in .zip format. That assures you get the stuff exactly as it was given to me. And I have .zip on Linux that your widoz can unzip...:-)

On Sun, 27 Jan 2002, Brice D. Hornback wrote:

> I'll put the stuff on the QRPp-I site as well. I'll put files, docs, etc.
> there to help people. Send me anything you have.
>
> 73/72/71! de Brice KA8MAV
> <http://www.QRPp-I.com>
>
> ----- Original Message -----
> From: "Karl F. Larsen" <k5di@zianet.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Sunday, January 27, 2002 8:08 AM
> Subject: CW and QRP-L
>
>
> >
> > In 2 years or less code will be removed as a requirement for a
> > license on HF. So new Hams will not even hear about code. But a few will
> > get QRP-L and there hear about code and listen to Fox Hunts and read about
> > radios that only do CW.
> >
> > These people are going to want CW and not at 5 wpm. To enjoy CW
> > you must work at about 15 words per minute. Use the many abbreviations and
> > enjoy a chat.
> >
> > Jim KK6MC/5 talks about a German method of learning code. I got 3
> > computer software packages that might be the way to go. Again the one from
> > Germany looks most attractive with a cat sending CW via a key.
> >
> > I think we need a place to send a guy that has a proven method of
> > learning code with instructions that are simple and accurate. We need to
> > tell them to shoot for 15 wpm. And make it possible to get there in under
> > a year...:-)
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> > I have a web page that's paid for and would be glad to host files
> > and reading on the web page. Might put the stuff on 2 web servers just to
> > be sure.
> >
> > --
> > Yours Truly,
> >
> > - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > <http://www.zianet.com/k5di/>
> >
>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 27 Jan 2002 09:42:53 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [118438] The British System
Message-ID: <Pine.LNX.4.33.0201270929300.2477-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I talked this morning with Dr. Jerry Smit KK5YY who works for Los Alamos Labs and has spent a lot of time in England since Sept 11. He is an active ham and when he got free time he found Hams and listened.

A new ham needs to have 10 WPM and pass a really hard written exam given just twice a year that costs 70 pounds (about 140 dollars). If you pass then you get all the bands at QRO power.

A new class of Ham has been introduced that is called the Foundation License and this is given to a person who must then find a Ham that will spend a weekend with them and at least talk about code. This license class has a maximum power of 10 watts.

Of course this is a huge chance for the QRP operators in England to spread the word about the virtues of QRP operation and get them on QRP-L. I hope this works out and we hear about it.

Jerry is going back soon to London for more work with the British A-BOMB crowd. As is well known we fought a hard war to get free of England in 1776. Since then events have changed and we get along with England better than anyone else. Odd.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Sun, 27 Jan 2002 12:00:37 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [118439] Re: building question- sort of long
Message-ID: <3.0.6.32.20020127120037.00798a70@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:40 AM 1/27/02 -0500, you wrote:

>Actives are where I really part ways with Bruce. Pretty soon you find some
>parts you use all the time. Hunt around for a deal and lay in a supply. I
>seem to use 78L05's like candy ... no sense paying a buck at the shack when
>I can get them for a third that. I still haven't found a great deal on
>large numbers but still looking.

John,

Making up a minimum order for a place like Digi-Key is a good opportunity to stock up on "jellybean" parts like regulators, bypass caps, op-amps, and bulk crystals. Also, if you're buying from a place with a fixed shipping charge (like Dan's), it doesn't hurt to load up on the penny parts.

Also, keep an eye out for really mundane parts: knobs, boxes, rubber feet, connectors, standoffs, screws, trimmer caps, etc. It's really annoying to not be able to finish a project on Sunday night because you don't have a panel-mount BNC connector and Shack is closed.

>I do a lot of PIC stuff, so I keep a few PICs, and a handful of those tiny
>crystals on hand. I also scarf up LCD displays when the price is right.
>Better to have a five buck display sit on the shelf for a few weeks than
>spend 30 for the same thing when I need it in a hurry. I'm beginning to
>look at encoders the same way.

This reminds me - has anyone tried using an old mouse for an encoder? There are two in each mouse, along with one or more momentary switches. The PS/2 mouse (which is the most common type on recent computers) uses only 5 volts and a clocked serial protocol to transmit encoder movement and button status. the last Atmel controller board I designed has connections for such a mouse, but I haven't tried to use one yet.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Sun, 27 Jan 2002 11:05:31 -0600
From: n4so@juno.com
To: qrp-l@lehigh.edu
Subject: [118440] Automatic Sealed-Lead-Acid Battery Charger
Message-ID: <20020127.110750.4574.14.N4S0@juno.com>

The pulse charger was designed for the Elecraft K2 and for the Power-Sonic PS-1229A which charges the battery to 13.8 volts DC (no load) and holds it there. The K2, or other qrp rig stays plugged in all the time in transmit or receive, and the pulse charger automatically adjusts itself to keep the battery fully charged and without overcharging.

According to the article, the three-mode chargers of the IC type UC3906 which are using bulk mode, absorption mode, and float modes, do not sense correctly when transmitting for a period of time and then back to receiving. Details are in the QST article.

Bob Lewis, AA4PB, An Automatic Sealed Lead-Acid Battery Charger QST, May, 2001, page 43-47.

Ken Brown-N4S0
Mobile, AL EM50tk
NorCal-20 at 5 watts/4 ele. yagi
Keylite Kit keyer

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 27 Jan 2002 12:47:39 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [118441] FS: Index Lab QRP+
Message-ID: <005f01c1a75a\$baa5ae40\$67253841@atwork>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All Band Operation 160M thru 10M
General coverage receiver 1.8 to 29.7
20 Memories
Split operations
High performance SCAF digital filters
Var. from 100HZ to 2400HZ
SSB and full break-in CW
Built in Iambic keyer

Asking \$300.00 Plus shipping in USA

Reason for selling - too many QRP radios.

John K2JHU...
jdorson@worldshare.net

Date: Sun, 27 Jan 2002 12:41:52 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [118442] Jan 31st deadline for the QRP Contest Calendar 2002
Message-ID: <017e01c1a759\$f25a0bc0\$d93c5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

January 31, 2002 at 23:59 UTC will be the last you can order the QRP
Contest Calendar 2002.

They will no longer be available after that time. So check out www.n3epa.org
and order one now if you waited until this time.

No calendars will be sold at Atlanticon 2002 Forum or Four Days in May.

72 & 73
Good DXing

Ron Polityka
n3epa@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

Date: Sun, 27 Jan 2002 10:43:55 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: [qrp-1 <qrp-1@lehigh.edu>](mailto:qrp-1@lehigh.edu)
Subject: [118443] Learning CW and More on the Koch Method
Message-ID: <B8798A6B.10D94%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

In addition to the URL I posted on learning CW with the Koch method, I did a search with Sherlock to find these sites:

<http://www.ees.nmt.edu/sara/sara/finley.sm404.html>

This is another site by Dave Finley with more specific instructions than the one I gave earlier, including a recommendation for using the program "Super Morse" as a learning tool for the Koch Method.

Here is a comprehensive list of CW programs:

<http://www.ac6v.com/morseprograms.htm>

There is also a Java application, Morse Practice, with a note about using the Koch Method with it;

<http://www.merrymeet.com/minow/MorsePractice/MorsePractice.html>

Here is another site that lists Morse Code resources on the web, including QSOs for practice,

<http://home1.gte.net/kb7mmv/pagez.html>

A PIC based Morse Code Device which serves as a Morse code tutor (including the Koch method), a code practice oscillator, and an iambic keyer is at

http://www.io.com/~n5fc/k5jhf_mcd.htm

This was dsigned by K5JHF. It says to e-mail him for availability.

K5JHF@arrl.net

It strikes me that this might be a good kit to get prospective hams to learn the code and end up with a useful device, the keyer, after the license has been obtained.

I hope that this helps - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 27 Jan 2002 12:54:39 -0500
From: W2AGN <w2agn@pobox.com>
To: "John Dorson" <jdorson@Worldshare.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [118444] Re: FS: Index Lab QRP+
Message-ID: <02012712543914.04295@CC2289974-A>
Content-Type: text/plain;
 charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

On Sunday 27 January 2002 12:47, John Dorson wrote:

- > All Band Operation 160M thru 10M
- > General coverage receiver 1.8 to 29.7
- > 20 Memories
- > Split operations
- > High performance SCAF digital filters
- > Var. from 100HZ to 2400HZ
- > SSB and full break-in CW
- > Built in Iambic keyer
- >
- > Asking \$300.00 Plus shipping in USA
- >
- > Reason for selling - too many QRP radios.
- >
- > John K2JHU...
- > jdorson@worldshare.net

--

Lemme throw in a plug here. I don't even know John, but if you were considering an SG-2020, buy the QRP+ instead. I have both, and the QRP+ is better, IMHO. Less receiver overload, easier to use.

John L Sielke W2AGN
w2agn@pobox.com
<http://www.qsl.net/w2agn>
Trustee: W3IYQ

Date: Sun, 27 Jan 2002 08:34:55 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'mgoins@usa.net'" <mgoins@usa.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [118445] RE: building question- sort of long
Message-ID: <01C1A70D.80066240.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

ooOH, that's a good one. You might want to pull out several books with QRP projects, flag those that are interesting, and look at the parts lists or schematics for stuff that appears often. I'm talking about DeMaw, other ARRL books and QST, SSDRA, NORCAL, NJQRP, Flying Pigs (and other QRP/homebrew websites) and so on. When you start ordering for one project, throw in some parts for "future" projects. Buy extras of stuff that doesn't cost a lot.

Package deals and "kits of parts" are good. NORCAL's recent capacitor kit--maybe Doug has some left. DIZ's recent offer of 100 toroids for \$15. Dan's Small Parts always has some assortments that look good.

Some specifics-

Resistors--eventually, you'll want almost all the standard values from an ohm or two up into the megohms. But start with the most common 1K, 10K and like that. I look for deals of 100 for \$1 like Dan's has. Cause if you just have two or three of a value, you're gonna run out. If I see a 100 (or 50) for \$1 deal and I don't have a bunch of that part, I go for it.

Capacitors--You'll want lots of bypass caps, mono or disk, in the values of 0.001, 0.01, 0.1 and like that. Then you'll want a bunch of NPOs from a few pF to several hundred. Probably some silver mica in the same range.

Air variables tend to be a little expensive and lots of QRP projects just use varactors and trimmer caps, so I pick up air variables at hamfest flea

markets when I see 'em cheap. But, you'll need some trimmer caps with maximum values of maybe 10, 30, 60 pF or so.

Electrolytics--1, 4.7, 10, 47, 100 uF and maybe bigger. Watch that physical size versus voltage rating. (Not too big, not too low.) You probably want some small value tantalums (1, 2.2, 4.7, 10) for more critical bypassing too.

Toroids: Get powdered iron in the -2 and -6 types and ferrite in type -43, sizes 37 and 50 most often seen.

Some magnet wire would go good with those toroids. Sizes 30, 28, 26, 24, 22 or so?

Transistors--look for a quantity deal on a handful of 2N2222, 2N3904, 2N4401 or similar NPN. Plastic OK except if it's a power amplifier as in a tuna tin or 2N2/40. Then have a few similar PNPs: like 2N2907, 2N3906, 2N4403. Looking in Ebay under "transistors", you'll find lots of 100 often that go for \$5 to \$10.

IC's--not too many in currently popular QRP projects. Definitely some NE602's (DIZ has a real good quantity deal now). Also some audio amplifiers like LM386 (low power) and LM380 (somewhat higher).

3-terminal regulators. Adjustable, as in LM317 (and its low power version, don't remember its name), and fixed, such 5 and 12 volt. For low power--as in regulation for a VFO oscillator stage--you want the little ones--78L08, 78L09 (8 and 9 volts), and for regulating the whole board--the 1 amp versions such as 7812 (12 volt).

Diodes--Definitely 100 small signal diodes like 1N914 or 1N4848. Some germanium diodes 1N34A for rf probes and SWR bridges (10 pack from radio shack is reasonable). If you're building power supplies, some 1 amp 1N4001 thru 1N4004 and/or some little 4-terminal bridge packages. Varactor or varicap or VVC type diodes are used a lot in VFOs, tunable filters, and VXOs. Pick up some of various capacitance ranges when you see a good deal.

POTs: 500, 1K, 5K, 10K linear. I kinda like 1/4 inch shafts. A few 10-turn pots in the 5K to 20K range would be good, but man, they're almost too expensive to stock up on. Look around at hamfests for junk you can strip 'em out of.

Some circuits use molded chokes and some don't. You might want to pick up some in the 1 uH to 50 uH range. And maybe some bigger 100 uH or so at 1 A for power supply filtering.

All these things taken singly are pretty cheap. But trying to build a good "junkbox" in one step can be expensive. Do it over time, watching for

bargains and quantity buys.

The next thing is keeping track of the stuff. I don't know how many times I've had to order something because I can't find my stash. I started an Excel spreadsheet called Parts.XLS. I *try* to log my stuff--what it is, how many, where it is, to help me around this problem. I'm naturally disorganized and this helps me rein in the chaos a bit.

Yeah--test equipment. Good initial building projects. An rf voltage probe for your DVM. Crystal and transistor tester (SSD, figure 72). Consider low and low-low power meters. Variable bench power supply. We're talking \$\$ here, but an MFJ-259B is nice to have and so is an AADE L/C meter. I like the Az SSS counter. And the Fort Smith VE3DNL marker is good too.

Happiness is a well stocked junkbox-

72/GL--Nick, WA5BDU

-----Original Message-----

From: Michael Goins [SMTP:mgoins@usa.net]

What do those in the know consider a solid, basic, parts supply (which caps, resistors, diodes, ICs, etc.)?

And what about basic test equipment? Not counting big stuff, like O'scopes, and all - I'm talking about basic stuff that you can get a rig up and running with (like a Stinger Singer, and Jay Bob's frequency counter). What does a new guy really need to build and align a qrp radio with some degree of confidence?

mike
wb5yjx
1 watt all the time

Date: Sun, 27 Jan 2002 19:45:07 -0200
From: "Bill Meara" <n2cqr@clix.pt>
To: <alexmm@adelphia.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [118446] Re: 455-kc surplus rocks
Message-ID: <000b01c1a77b\$e3be4c80\$4ade17c3@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Alex: Good luck with the 455 kc rocks. I've had bad luck in this area. I wanted to build a 455 kc filter for a tube type RX a few years ago. I managed to get the surplus crystals that you mentioned, but I couldn't get the filter to work. Turned out that some of the crystals were bad. I get the impression that they don't go well. And of course some of them had been bounced around a lot. Rocks at this freq will give you sticker shock. I got one quote of 75 dollars per rock.

73 de Bill CU2JL (aka N2CQR)
Sao Miguel Island
The Azores, Portugal
37.7 N 25.6 W

<http://planeta.clix.pt/n2cqr>

----- Original Message -----

From: "Alex" <alexmm@adelphia.net>

To: <n2cqr@clix.pt>; "'Low Power Amateur Radio Discussion'"
<qrp-l@Lehigh.EDU>

Sent: Sunday, January 27, 2002 2:13 PM

Subject: SSB project and 455-kc surplus rocks

> Hi again Bill:

>

> The 20-m SSB/CW rig here was built almost entirely using Manhattan
> construction on double-sided board, as you can see from the JPEGs of the
> receiver section, with almost no additional shielding.

>

> It's been a while since its completion, but if I recollect properly there
> may be an occasional scrap of circuit board material here and there
between

> stages, but nothing as elaborate as shielded boxes (I'll have to go down
> into the shack and take a look-see at any shielding attempts).

>

> On the other hand, when I built my 2N2/40 xcvr there apparently *was* a
need

> for some shielding in the receiver's IF strip. Again, a scrap of board
> soldered at right angles to the main board did the trick, with a tiny hole
> drilled through it to pass the signal lead. I also reduced the gain of one
> of the IF stages by adjusting the value of its emitter bypass capacitor,
> according to textbook procedures and calculations, and that stabilized the
> stage so that the oscillation stopped (the first attempt to quell it was

> with the shield).

>

> I've thought about re-packaging the 20-m SSB xcvr in shielded boxes---but

> only in order to make it look better! My thought was to use separable

> (connectorized) shielded cables to interconnect the modules. Maybe that'll

> have to wait for the next project, possibly a receiver-only project.

>

> I also have some Collins 455-kc. mechanical filters here, but am seeking

> upper and lower BF0 rocks at 453.6 and 456.3 kHz before I decide to use

> them. I had some Collins BF0 xtals, but used them in a solid-state product

> detector for my R-390A hollow-state receiver!

>

> BTW: the surplus xtals that one occasionally sees under the tables at

> hamfests here in the US are really close for 455-kHz applications. The

WW-II

> xtal for what they called "Channel 47" is 457.4 kc., and the "Channel 326"

> rock is 452.7 kHz.

>

> I wonder if anyone on QRP-L has any of these in their junkboxes that

they'd

> like to part with.

>

> Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

>

> -----

>

>

>

>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of

> Bill Meara

> Sent: Sunday, January 27, 2002 3:19 AM

> To: Low Power Amateur Radio Discussion

> Subject: Re: SSB project

>

>

> Jim: Yes, you are not alone! I'm enjoyning the SSB TX project. I find

it

> very similar to building a single conversion superhet RX.

>

> One question for the group: How much shielding do you guys use when

> building rigs like this? I've all extremes of shielding, from none, to

rigs

> with all stages in separate sealed boxes. How much is really needed?

>

> 73 de Bill CU2JL (aka N2CQR)

> Sao Miguel Island

> The Azores, Portugal

> 37.7 N 25.6 W
> <http://planeta.clix.pt/n2cqr>
> ----- Original Message -----
> From: <n2go@arrl.net>
> To: "Bill Meara" <n2cqr@clix.pt>
> Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Saturday, January 26, 2002 5:12 PM
> Subject: Re: SSB project
>
>
> > That's what I like about this list. Just about any weird thing that I
> > might be doing.... someone here is also doing.
> >
> > Last week I built a DDS vfo for 5-5.5 Mhz. Yesterday I built a version
of
> > the Universal VFO for 5-5.5Mhz.
> >
> > Today I etched a board for a 9 Mhz SSB generator with balanced
> > modulator/ carrier oscillators/ cw drive control and speech amplifier.
> > I really like the pnp Blue film for making pcb's. Cleanliness of the
board
> > and temperature are very important for success.
> >
> > I think this one will turn into a separate receiver and transmitter with
> > the receiver VFO controlling both. Not sure if there will be one or two
IF
> > filters.
> >
> > 73,
> >
> > Jim (n2go)
> >
> >
> >
> >
>
>

Date: Sun, 27 Jan 2002 16:07:10 -0500
From: "Joe Everhart" <n2cx@voicenet.com>
To: "qrpl" <qrp-l@lehigh.edu>
Subject: [118447] njqrp meeting 012602
Message-ID: <003f01c1a776\$968d32a0\$b45847d1@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

As promised by Doug KI6DS the other day, the NJQRP meeting was great!

With 25 folks in attendance, we had lots of good loop stuff to look at in addition to the other superb show and tell projects.

Gerry N2GJ did a great job of reporting on the meeting - so good that it is too detailed to reproduce here. It will be posted in the NJQRP web page shortly. Please check it out - it's well worth your time.

I'm constantly amazed and impressed by the ingenuity enthusiasm and camaraderie evident in the QRP ranks. This meeting was yet another great example. I'm sure that the couple of folks attending our meeting for the first time see the difference from "traditional" ham clubs!

Looking forward to Atlanticon...

72/73,

Joe E., N2CX

Date: Sun, 27 Jan 2002 14:07:14 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [118448] Contest: CQ 160M CW Entry
Message-ID: <3C546C02.B6521DAA@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

I had the pleasure of working several QRP contestors in the 160M contest this past weekend. Unfortunately I was not running QRP here, but was in the low power catagory at 100W with my IC-706. Would have much rather run my K-2, but I didn't really think that 5W would be worthwhile

on 160M. As I have not operated on 160M for 20 years, I assumed QRP would be rather frustrating. Now that the contest is over, looks like I could have run at the QRP levels pretty well.

My antenna was truly a kludge. I call it the "Crappy Tee". It consists of a 33 foot vertical section, with a 120 foot top horizontal section. It is fed against my existing radial system. It took 2 antenna tuners, one at the base, and one at the rig to get the SWR down to reasonable levels. However, I am quite satisfied with my results, and they *FAR* outpaced my expectations! I worked 44 states, 2 Provinces and 3 countries. Two HI stations responded to my CQ's (!).

Not QRP, I know, but it shows what can be done on the top band WITHOUT a decent antenna.

CQ 160 SUMMARY SHEET

Callsign Used : K7RE

Operator : K7RE

Category : Single Op Low Power

Default Exchange : 599 AZ

BAND	Raw QSOs	Valid QSOs	Points	Mults	Countries
160CW	352	352	753	46	3
Totals	352	352	753	46	3

Final Score = 36,897 points.

Date: Sun, 27 Jan 2002 16:21:16 -0500
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: "Fpqrp Groups" <fpqrp-1@mpna.com>, "QRP-Post" <qrp-1@Lehigh.EDU>
Subject: [118449] Michigan Antique Radio Club Swap 2/2/02
Message-ID: <GAECLOGOMILPLBGKKPEGGEPPDEAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For hams in SE MI FYI

Feb 2, 2002 at:
Armenian Center
19310 Ford Road
Dearborn, Michigan
48128

3/4 mile West of Southfield

Information call: /313/ 274-1948

Admission \$5.00 at the door
Starts at 9:00 AM

By the way has anyone noticed current year is palindrome

73 oo

=====

Chuck Mabbott

AA8VS

42 19' 52" N 83 28' 32" W

Grid Square EN82gh

Home Page: <http://aa8vs.dhs.org:81/aa8vs>

FP-113 MI-QRP#1212 Firebirds #2117 SOC #445

Date: Sun, 27 Jan 2002 16:53:53 -0500
From: W2AGN <w2agn@pobox.com>
To: njqrp@njqrp.org, qrp-l@lehigh.edu
Subject: [118450] Transmitter Tester
Message-ID: <0201271653531E.04295@CC2289974-A>
Content-Type: text/plain;
charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

I recently finished KD1JV's Kit "True RMS Digital Power Meter." It is REALLY great. I had a ScQRPions "Stinger Singer" I had built, so I boxed them up together. Makes a neat little test unit, with Power meter, 50 ohm dummy load, and Frequency counter all in one little box. I'll get some pictures up on my page soon, but I am working on my little Glowbug QRP station. Since it is supposed to be 68 deg and sunny tomorrow here in Southern NJ, I will have to put on shorts and a t-shirt and go play golf instead of playing inside with the radio.

Looks like it will cool off in time for FYBO, though. (Hopefully not TOO much!)

--

John L Sielke W2AGN
w2agn@pobox.com
http://www.qsl.net/w2agn
Trustee: W3IYQ

Date: Sun, 27 Jan 2002 17:01:37 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'n2cqr@clix.pt'" <n2cqr@clix.pt>,
"Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [118451] RE: 455-kc surplus rocks
Message-ID: <01C1A754.489E2620.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Dan's has 455 kHz crystals ... also resonators. I used one of 'em (crystal) to make a "real" BFO for my S-120. What a waste--that sow's ear is still a sow's ear. Maybe I'll do what one of the other posters said (with the DX-40) and build a real receiver into the S-120.

But on the crystal--it did fine as an oscillator, but I don't know if it has the quality for a filter.

72--Nick, WA5BDU

-----Original Message-----

From: Bill Meara [SMTP:n2cqr@clix.pt]
Alex: Good luck with the 455 kc rocks.

Date: Sun, 27 Jan 2002 18:18:27 -0500
From: Dave Richards <wr3i@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
nkennedy@tcainternet.com
Subject: [118452] Sked?
Message-ID: <JGMPNQPF0VUA05ZKID62V1YIF1YKI.3c548ac3@sony>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am in a hotel in Tewksbury MA any one close who would like to set up a sked

tonight
on 40 I would like to test my Portable window ant
Dave W1QB

End of QRP-L Digest 2448
